

Title (en)

METHOD AND DEVICE FORMING HOLLOW MOLDED PRODUCT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FORMUNG EINES HOHLEN FORMPRODUKTS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FORMATION D'UN PRODUIT MOULÉ CREUX

Publication

**EP 2594383 A4 20150107 (EN)**

Application

**EP 11806931 A 20110719**

Priority

- JP 2010161672 A 20100716
- JP 2011066316 W 20110719

Abstract (en)

[origin: US2013075960A1] Manufacturing method and apparatus for a hollow molded part manufactured by spraying a molding material into a mold utilizing the principle of electrostatic coating. The method comprises a spraying step for forming a resin layer by spraying liquid resin with a differential electrical potential relative to the mold into a mold capable of separation into two or more parts from a spray fixture inserted from an opening portion in said mold; a solidifying step for solidifying the resin layer; a mold parting step for opening the mold relative to the spray fixture and parting the solidified resin layer from the mold while it is held in the spray fixture; and a removal step for removing from the spray fixture the resin layer held in the spray fixture.

IPC 8 full level

**B29C 35/08** (2006.01); **B29C 41/00** (2006.01); **B29C 41/42** (2006.01); **B29K 103/06** (2006.01); **B29L 9/00** (2006.01); **B29L 22/00** (2006.01); **B29L 31/00** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [Y] US 3491170 A 19700120 - ROE SHELDON F JR
- [Y] FR 1554789 A 19690124
- [Y] DE 2318315 A1 19741107 - SCHLOEMANN SIEMAG AG
- [Y] US 4061702 A 19771206 - KESSLER MILTON
- [A] US 5763503 A 19980609 - COWPERTHWAIT GEORGE F [US], et al
- See references of WO 2012008601A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2013075960 A1 20130328**; CN 102958660 A 20130306; CN 102958660 B 20150610; EP 2594383 A1 20130522; EP 2594383 A4 20150107; EP 2594383 B1 20161123; ES 2616962 T3 20170614; JP 2012020539 A 20120202; JP 5694698 B2 20150401; KR 101408413 B1 20140617; KR 20130021402 A 20130305; WO 2012008601 A1 20120119

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